

What Is Claimed Is:

1. A direct backlight module, comprising:

a diffuser;

5 a reflecting plate disposed under the diffuser;

an illumination tube disposed between the diffuser and the reflecting plate; and

10 a support disposed on the reflecting plate and between the diffuser and the reflecting plate for supporting the diffuser

15 and the illumination tube simultaneously, wherein the support has a fitting portion into which the illumination tube directly fits.

2. The direct backlight module as claimed in claim 1, wherein

20 a first gap exists between the support and the diffuser to

protect the diffuser from deformation due to thermal expansion and contraction of the support.

3. The direct backlight module as claimed in claim 1, wherein

25 a second gap exists between the fitting portion of the support and the illumination tube to protect the illumination tube from deformation due to thermal expansion and contraction of the support.

25 4. The direct backlight module as claimed in claim 1, wherein the reflecting plate further comprises a groove and the support further comprises an engaging portion engaged in the groove.

5. The direct backlight module as claimed in claim 1, wherein

30 the support is fixed to the reflecting plate by glue.

6. The direct backlight module as claimed in claim 5, wherein the support is fixed to the reflecting plate by hot glue.

5 7. The direct backlight module as claimed in claim 1, wherein the fitting portion of the support is a circular hole.

8. The direct backlight module as claimed in claim 1, wherein the fitting portion of the support is a U-shaped recess.

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9. The direct backlight module as claimed in claim 1, wherein the support has a substantially rectangular shape.

10. The direct backlight module as claimed in claim 1, wherein the support has a substantially polygonal shape.

11. The direct backlight module as claimed in claim 1, wherein the support has a substantially curved shape.

20 12. The direct backlight module as claimed in claim 1, wherein the support is made of plastic.

13. The direct backlight module as claimed in claim 1, further comprising a diffusing plate disposed on the diffuser.

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14. The direct backlight module as claimed in claim 1, further comprising a prism disposed on the diffuser.

30 15. The direct backlight module as claimed in claim 13, further comprising a prism disposed on the diffusing plate.